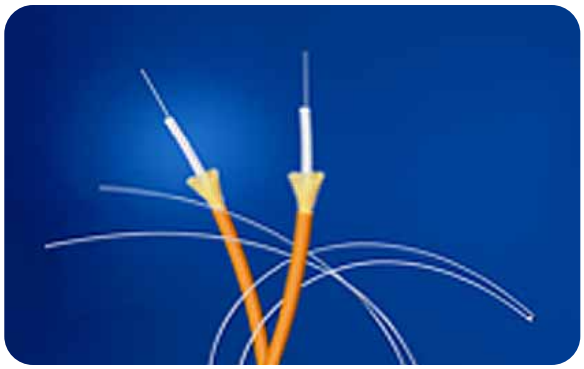
Fiber Optic Cable

Furcation Tubing



ADC's furcation tubes provide factory-standard guaranteed performance specifications. They are 100% dimensionally tested and are offered in a variety of materials.

Features:

- Multitude of sizes to fit your specific applications
- Various colors for easy circuit identification
- Variety of materials – choose one suited to YOUR requirements
- Minimal shrinkage materials are available
- Available for use in extreme environments
- Non Out-Gassing versions available

Applications:

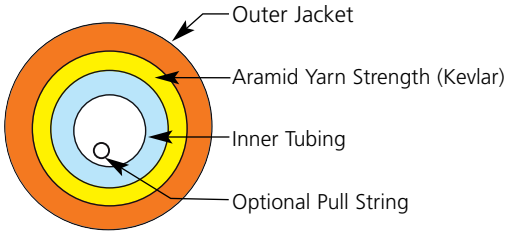
- Patching active devices
- Terminating Loose Tube Cables
- Manufacturing your own cabling with specialty fibers
- Fortifying distribution cables for patch cable applications
- Buffering bare fibers in coupler and splitter applications
- Manufacturing Breakout (Fanout) Kits
- Medical devices

SPEC SHEET

Fiber Optic Cable
Furcation Tubing

Specifications

Furcation Tubing



Environmental Characteristics:

Storage Temperature	-55˚ to 85 ˚C	(-67˚ to 185 ˚F)
Operating Temperature	-40˚ to 85 ˚C	(-40˚ to 185 ˚F)
Installation Temperature	-40˚ to 85 ˚C	(-40˚ to 185 ˚F)

Mechanical Characteristics:

Test	Procedure	Units	Results
Crush Resistance	EIA-FOTP-41A	N/cm	1200
Impact Resistance	EIA-FOTP-25B	# of impacts	500
Flexing (# of Cycles)	EIA-FOTP-104A	# of cycles	10,000
Maximum Pulling Load	EIA-FOTP-33A	N (lb)	2000 (112)
Maximum Operating Load	EIA-FOTP-33A	N (lb)	1000 (67)
Min. Bend Radius @ Max Load	EIA-FOTP-33A	—	15 x Cable OD
Low Temperature Bend Test	EIA-FOTP-37A	C (F)	Passed @ -40 (-40)

Fiber Optic Cable
Furcation Tubing

Ordering Information

Standard Products:	
Description	**Catalog Number***
500 X 900 µm PVC furcation tubing – available in 12 colors	F6NPVCFT5X9YY
500 x 900 µm Hytrel furcation tubing – available in 12 colors, for extreme temperatures and chemical resistance	F7NHYTFT5X9YY
500 x 900 µm PVDF furcation tubing – available in 12 colors, for low shrink requirements, material meets (UL) 94 V-0	F5NSOLFT5X9YY
3.0 mm PVC jacketed furcation tubing with 1.1 x 1.7 mm polypropylene inner tube, designed for 900 µm buffers	F0NLFRFT3011X17
3.0 mm PVC jacketed furcation tubing with 500 x 900 µm Polypropylene inner tubing, designed for specialty fibers	F0NLFRFT305X9
1.6 mm PVC jacketed furcation tubing with 500 x 900 µm PVDF inner tubing, designed for LC connector applications	F5NLFRFT165X9
2.4 mm Low Smoke Zero Halogen jacketed furcation tubing, designed for meeting LSZH requirements	F7NLZHFT245X9
Ribbon furcation tubing designed to fit MTP style connectors	F0NLFRRB12F

*Replace *YY* with Color below:

YY = Color

BL = Blue
OR = Orange
GR = Green
BR = Brown
SL = Slate
WH = White
RD = Red
BK = Black
YL = Yellow
VI = Violet
RS = Rose
AQ = Aqua

SPEC SHEET

Catalog Number

F

Inner Tubing Material

0	Polypropylene
5	PVDF
6	PVC
7	Polyester
N	No Inner Tubing

Pull String

0	Monofilament
K	Kevlar
N	None

Pull String

LFR	PVC
RUG	Flame Retardant Polyurethane
HYT	Polyester Outer Jacket for Buffered or Micro Cable Products
SOL	Outer PVDF Jacket for Buffered or Micro Cable Products
LZH	Low Smoke Zero Halogen
POE	Polyethylene
TEF	ETFE
POP	Polypropylene*
PVC	PVC *

Example: F0NLFRFT3011X17: 3.0 mm PVC furcation tubing with a 1.1 x 1.7 mm polypropylene inner tube. No pull string.

Inner Tube Diameter

4X9	400 x 900 µm
45X9	450 x 900 µm
5X9	500 x 900 µm
6X9	600 x 900 µm
10X17	1.0 x 1.7 mm
18X25	1.8 x 2.5 mm
20X30	2.0 x 3.0 mm
YYXYY	Y.Y x Y.Y mm –Fill in specifics for Special Sizes

Outer Diameter

16	1.6 mm
20	2.0 mm
24	2.4 mm
30	3.0 mm
38	3.8 mm
XX	X.X mm –Fill in specifics for Special Sizes

Tubing Design

FT	Standard
FP	Pre-Shrunk Inner Tubing
DP	Duplex
ZC	Zipcord
RB	Ribbon

Custom colors, split ratio options and detailed specifications are available on request.

* Designator only to be used for tubing – when no outer jacket is applied.

Web Site: www.adc.com

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